

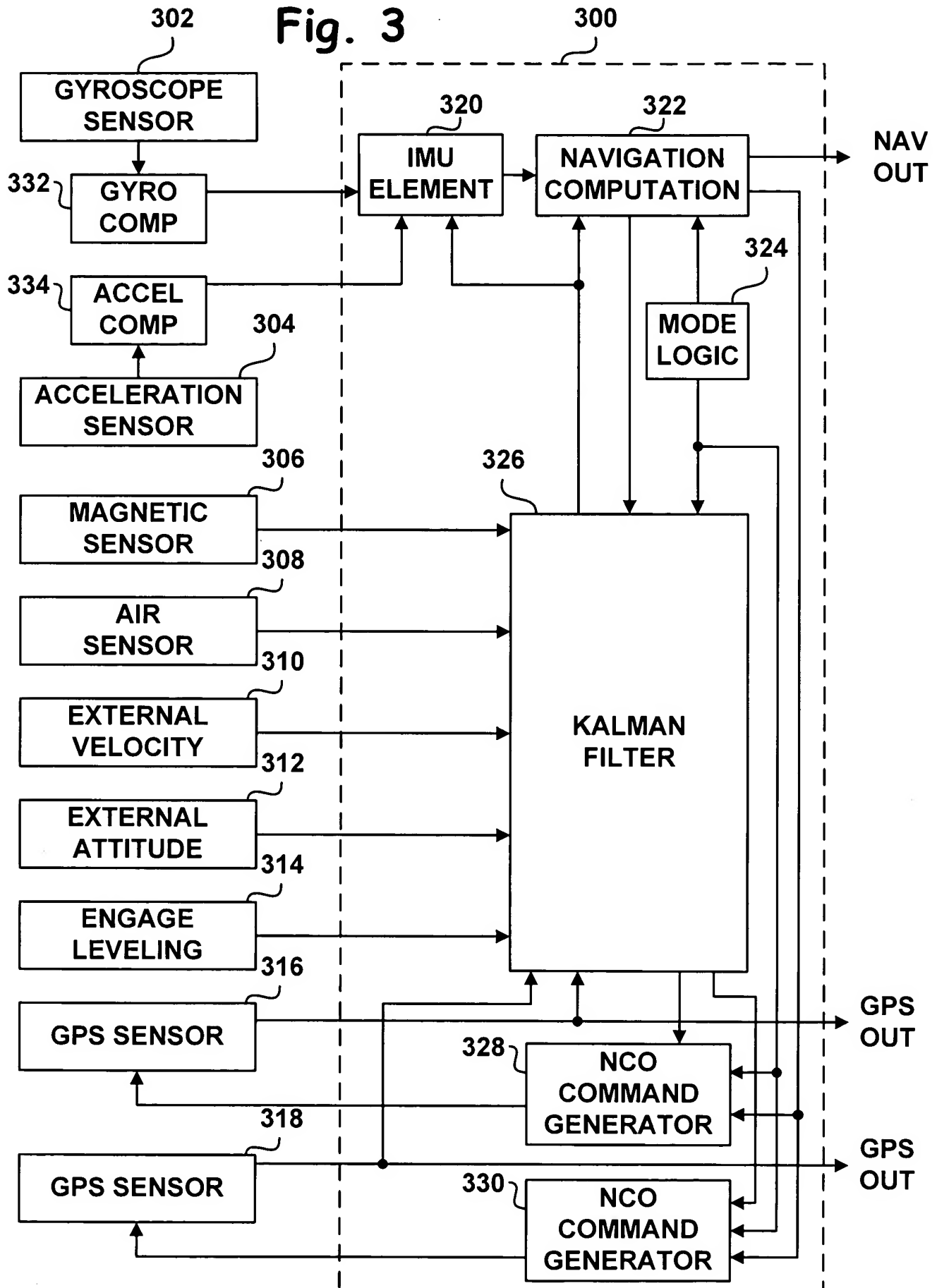
Fig. 1

Aiding Source	Navigation Output		Engage Leveling*
	Position/Velocity**	Attitude	
GPS PVT	Yes	Yes	No
GPS PR/DR	Yes	Yes	No
GPS Heading	No	Yes	Yes
Magnetometer	No	Yes	Yes
Air Data	No	Yes	Yes
Velocity	Yes	Yes	No
Odometer	Yes	Yes	No
Attitude	No	Yes	Yes
Change in Attitude	No	Yes	Yes
Deep Integration	Yes	Yes	No

Notes:	
	* Leveling is engaged only if all engaged aiding sources do not compute Position and Velocity and if the quality of the inertial sensors are not sufficient to compute position and velocity to the level required by the application's attitude requirements. Leveling may not be engaged immediately when the aid becomes unavailable based on time or the Kalman Filter covariances.
	** If any aiding source with "yes" is enabled (e.g. GPS PVT) then Position and Velocity output are available

Fig. 2

Fig. 3



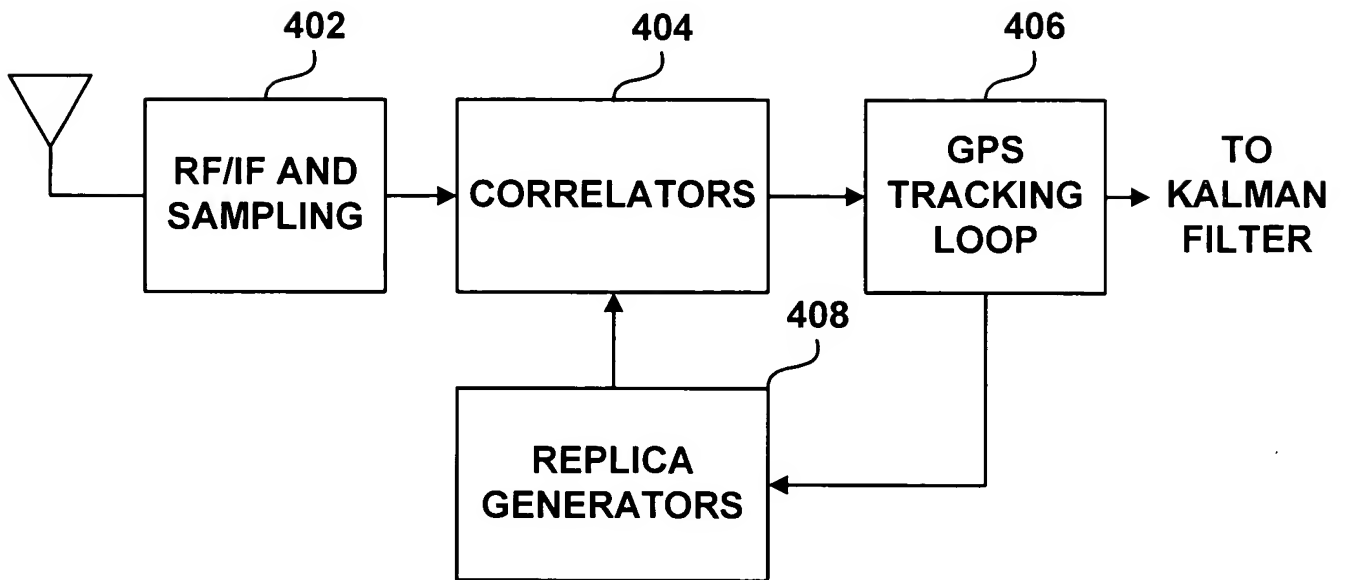


Fig. 4A

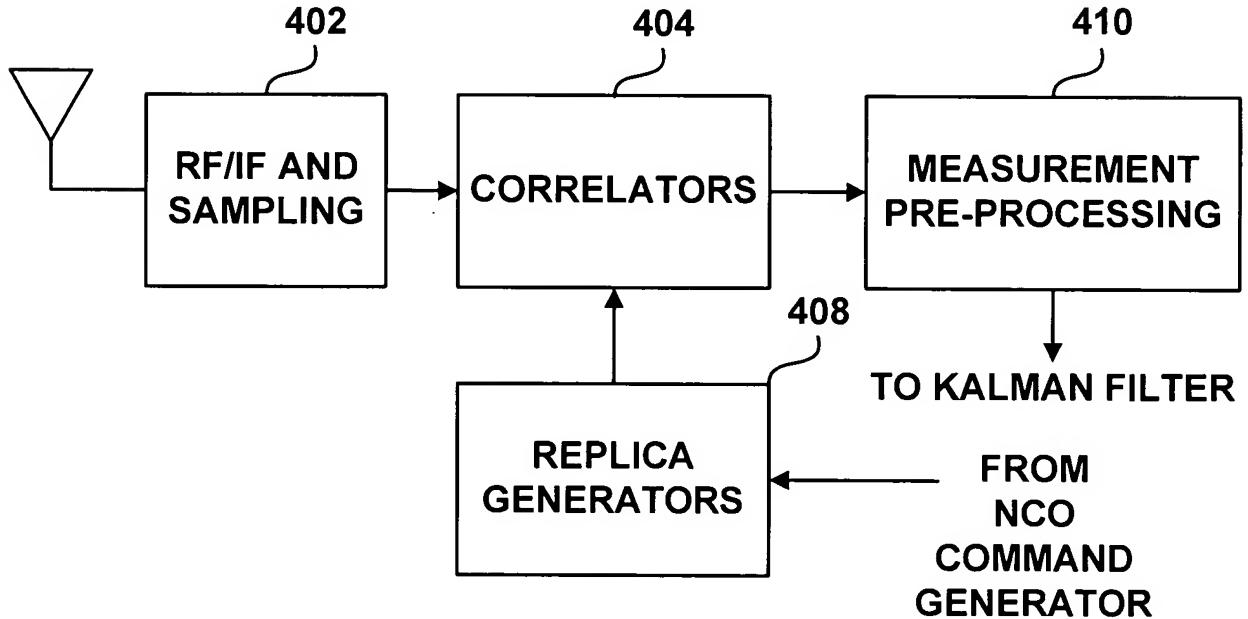


Fig. 4B

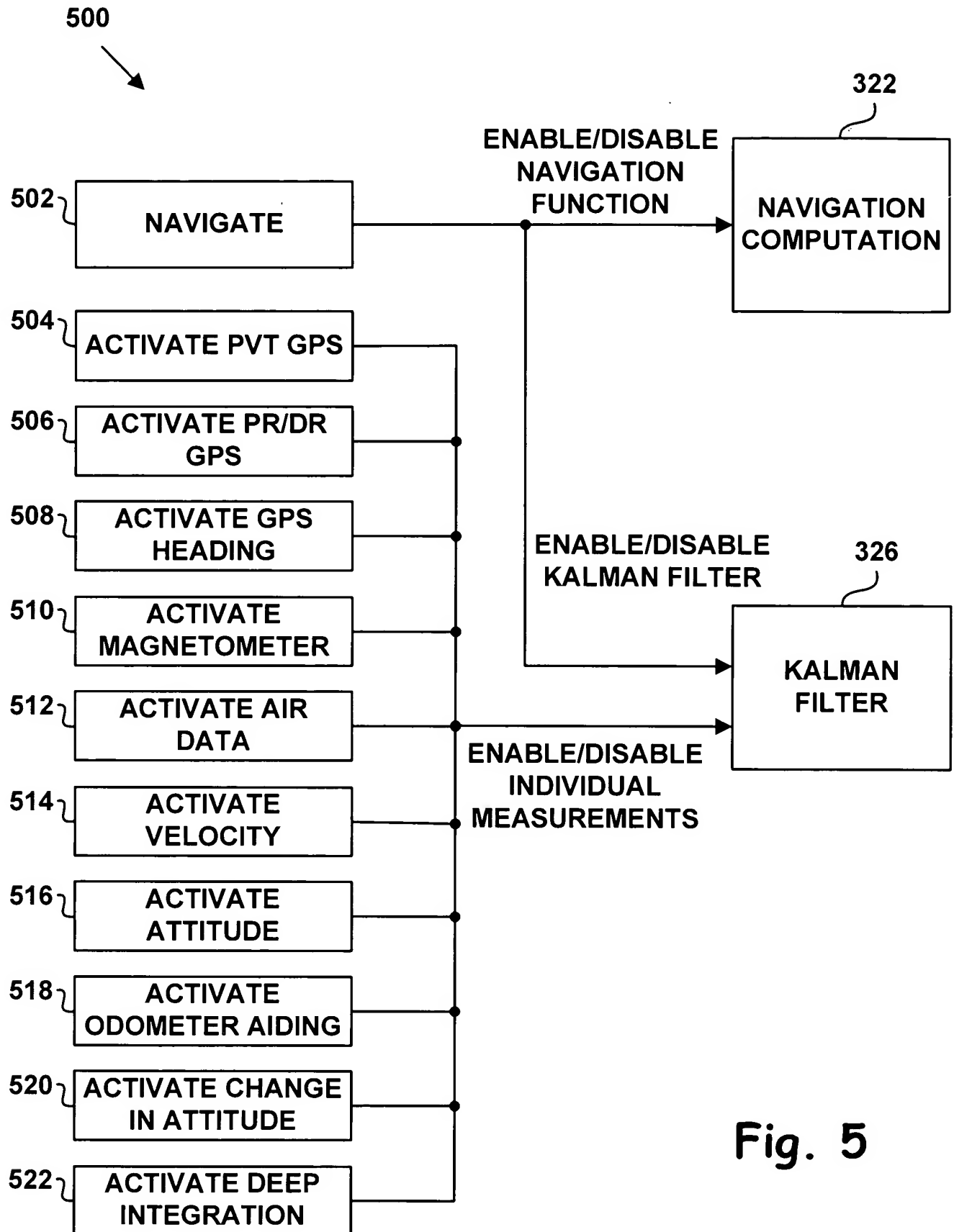


Fig. 5

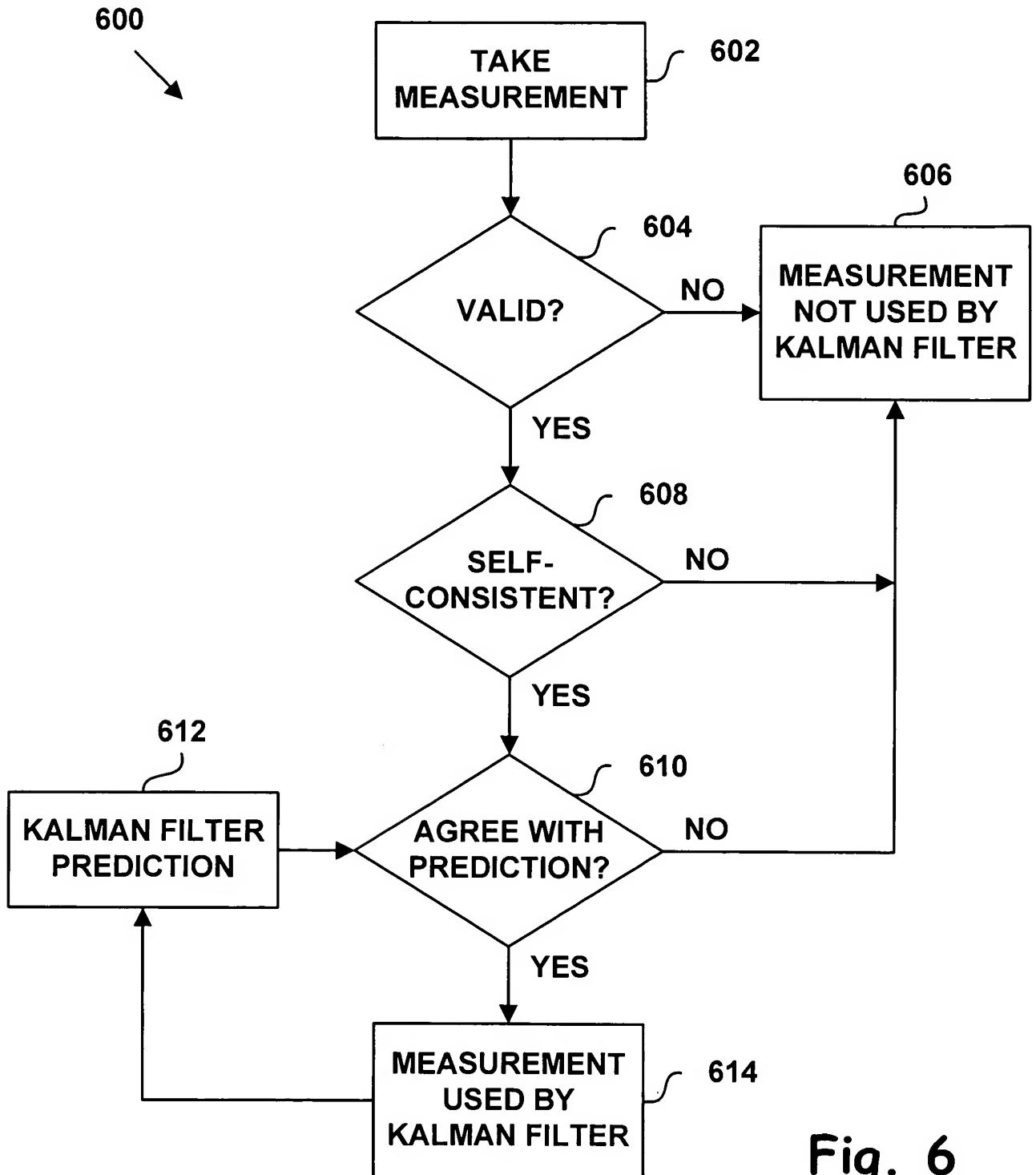


Fig. 6